What is claimed is:

1. An atomization system (1) for fuels, particularly for charging a chemical reformer for obtaining hydrogen, comprising at least one metering device (2) for metering fuel at at least one metering point (5) into a connecting tube (4) capable of receiving a temperature-adjusted substance stream.

wherein, the connecting tube (4) features at least one atomization point (8) located downstream of the at least one metering point (5).

- 2. The atomization system as recited in Claim 1, wherein, the metering device (2) is designed as a low-pressure fuel injector (2).
- 3. The atomization system as recited in Claim 1 or 2, wherein, the low-pressure fuel injector (2) is positioned at an end face (3) of the connecting tube (4).
- 4. The atomization system as recited in one of Claims 1 through 3, wherein, the metering point (5) is formed on the low-pressure fuel injector (2).
- 5. The atomization system as recited in one of Claims 1 through 4, wherein, the temperature-adjusted substance stream is fed between the metering point (5) and the atomization point (8).
- 6. The atomization system as recited in Claim 5, wherein, the temperature-adjusted substance stream is able to be supplied via a tube (6).
- 7. The atomization system as recited in Claim 6, wherein, the tube (6) discharges into the connecting tube (4) at an angle of approximately 90°.
- 8. The atomization system as recited in one of Claims 1 through 4,

wherein, the temperature-adjusted substance stream is supplied on the downstream side of atomization point (8).

- 9. The atomization system as recited in Claim 8, wherein, the mixture formed of fuel and substance stream is transmitted along an axis (11) of connecting tube (4).
- 10. The atomization system as recited in Claim 8, wherein, the mixture formed of fuel and substance stream is transmitted perpendicular to an axis (11) of connecting tube (4).
- 11. The atomization system as recited in one of Claims 1 through 10, wherein, multiple atomization points (8) are provided.
- 12. The atomization system as recited in one of Claims 2 through 4, wherein, the metering point (5) and the atomization point (8) are formed jointly on the low-pressure fuel injector (2).
- 13. The atomization system as recited in Claim 12, wherein, the low-pressure fuel injector (2) is inclined at a specified angle with respect to an axis (11) of the tube (6) and of the connecting tube (4).
- 14. The atomization system as recited in one of Claims 1 through 13, wherein, the atomization point (8) features an atomization device in the form of a swirl disk, a spray-orifice disk, a swirl insert or a swirl nozzle having one or more orifices.
- 15. The atomization system as recited in one of Claims 1 through 14, wherein, the atomization points (8) are at least in part located in rounded corners (12) of an end face (7) of the connecting tube (4).